

**IN THE SPECIFICATION:**

Page 2, replace paragraph [0006] with the following paragraph:

The signaling with a sensor may include signaling the temperatures of a plurality of portions of the adsorbent with a plurality of sensors disposed in the respective plurality of portions of the adsorbent. The method may include locating an adsorption front of the adsorbent based on the temperature signals. The method may include purging an adsorbate ~~adsurbate~~ from the adsorbent ~~adsurbent~~ when the adsorption front advances to one of the plurality of portions of the adsorbent. The purging may include receiving the temperature signals with an electronic control unit, and sending an actuating control signal from the electronic control unit to a solenoid actuated valve disposed in a first conduit. The first conduit provides a purge flow path between the first port and an intake manifold of an internal combustion engine. The purging may include flowing atmospheric air through a second conduit that provides an atmospheric flow path to the second port, flowing the atmospheric air through the second port, flowing the atmospheric air through the canister flow path, and flowing the atmospheric air through the first conduit. The method may include managing the pressure of the canister purge valve with a pressure management valve disposed in the second conduit.